M. A. R. 57 (Rule 116)
Measurement Book

Reference to last measurement 8

Serial No. .....

Name of work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			
		Number	Length	Breadth	Depth
1	2	3	4	5	6
	Name of work:- Improvements & Repairs Road & Cross road in Est cost: 13.90 lakhs. Job code:- 015-14-000008 P. code :- 1441 ~~Administrative approval~~ T.C/10.K/AA 290 Technical Sanction:- EE/D.D/TS Work order:- EE/D.D./WO 72/ Contractor name:- R. Rangala Recorded on:- 30/3/2016 Item no:1 Excavation for road drain				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Re t Mea
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	K.S.R.R.B 300.2 by removal debris i/c loosening involving an average horizontal throw of roots and an average lift up to 0.500 surface leveled sides neatly dressed to earth to be leveled neatly after breaking completed as per specification						
	Earth brought from K.R.B.				1803	P-81	
	@Rs 90.42.				500.05 cft		
Item 2	Clearing i/c existing block taped sur with broom soft brushes & finally compressed air debris treatment & all cost of all materials. Labour Hoes of complete as per specification						
	Earth brought K.R.B				1803	P-84	
	@Rs 2.54/sqft				37852.50 sqft		

M. A. R. 57 (Rule 116)

Measurement Book

No. C/08

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	M
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Item No 3 providing laying spreading & graded stone aggregate to wet mix specification including providing & mechanical with water at one time in required thickness of tipper laying in two or more layers with power sub-base (coarse on well prepared base & compacting with vibrator. duly rolled to the desired density complete excluding cost of @ Rs 1603/13 14 P-85						
	@Rs 1121.04				19-48		

Cost

Cost

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Re
		Number	Length	Breadth	Depth		Mea
1	2	3	4	5	6	7	
	Item No 4 providing laying & rolling wet vib roller weight up area spray grout layer prepared base consisting of two layer coa construction of compacted crushed coarse aggregate Note: Grade for aggregate's key chips spreader may be used with appr difference in grade after each layer key aggregates placed on top of re layers to serve as base conforming to grades & cross section specified the compa layer thickness being 4.5 cm complet calion. Quty brought down MB 1803/13.14 p. Qty 288.92 / 500 543.40 / 500						126
	Item No 5 providing & applying tack coat prepared base topped surface at 5 kg/ sqm using bituminous emulsion i.e binder fil						

M. A. R. 57 (Rule 116)
Measurement Book

No.

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Spray Set Spraying (clean RE road surface of all leaves all labours ... complete as per specification ... by ... to 4B 1803 13.14 P					
	@ 21.71 / Sqmt			3752.50		
	Supply					
	Store providing & laying semidense bituminous 25mm Thick with 100-120 TPH batch type ... as average out put of 75 to ... batch type ... complied ...					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	M
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	grading - regd. bituminous binder @ [illegible] c.f. of regd. & filled transporting & hot to work site & laying with hydraulic finisher with sensor control to the req. grade level & alignment rolling by smooth wheeled Tandem/ to achieve the desired compaction as per specification & level & compl all respect as per specification.						
	Early brought to MB 1803/13.14 P.8						
	After grading colony	1	30.00	8.00	0.025	44.93	
		1	30.00	8.00	0.025	6.00	
		1	30.00	8.00	0.025	6.00	
		1	30.00	8.00	0.025	6.00	
		1	30.00	8.00	0.025	6.00	
		1	30.00	8.00	0.025	6.00	
		1	30.00	8.00	0.025	6.00	
			30.00	8.00	[illegible]	6.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. C/0

3

Serial No. .....

Name of work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	R
		Number	Length	Breadth	Depth		Me
1	2	3	4	5	6	7	
	Pipeline Road	1	5.00	8.00	0.025	1.00	Cod
	Office	1	30.00	6.80	0.025	5.10	
	& Staff Qtrs	1	30.00	6.80	0.025	5.10	
	Near Rly Yard	1	30.00	6.80	0.025	5.10	
	Road	1	5.00	6.80	0.025	0.85	
		1	30.00	7.00	0.025	5.25	
	Pump	1	27.00	6.00	0.025	4.05	
		5	6.00	4.00	0.025	3.00	
		4	6.30	4.10	0.025	2.58	
	4434.52					154.90	15
	Cod					Cod	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Item 7 Conveyance of recived materials as per specification quantity same as item No 6 @ 52.11 /00					
	Item Road marking with hot applied thermoplastic compound with reflective glass beads as per specification					
		4	30.00	0.10	=	12.00
		4	30.00	0.10	=	12.00
		4	30.00	0.10	=	12.00
		4	30.00	0.10	=	12.00
		4	30.00	0.10	=	12.00
		4	30.00	0.10	=	12.00
		4	30.00	0.10		12.00
		4	30.00	0.10		12.00

M. A. R. 57 (Rule 116)
Measurement Book

Serial No. .....

Name of work ..... From..... To.

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Content
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Providing and laying RCC Pipe [illegible]	4	5.00	0.10	2.00	
		3	30.00	0.10	9.00	
		3	27.00	0.10	8.10	
		3	30.00	0.10	9.00	
		3	30.00	0.10	9.00	
		3	30.00	0.10	9.00	
		3	5.00	0.10	1.50	
	@ 471.96				143.60	
	Item No [illegible] Disposal of debris to the [illegible] of disposal [illegible] all lead & lift [illegible] as direction by the Engineer [illegible]					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref to Meas
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	of KE works lead 4 km / Magic soil for 100 of rubbles as per item No 17.4 / KSR & B 100 tonne / cum average each of works lo unloading as per specification every Sunday item No 1					500.05	39
	78.00						
					30/3/16		1936

30/3/16

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಾಳಂಡಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಚಾಲಗಾಂಬಿ. ದಬಿಪಂಚ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116)
Measurement Book

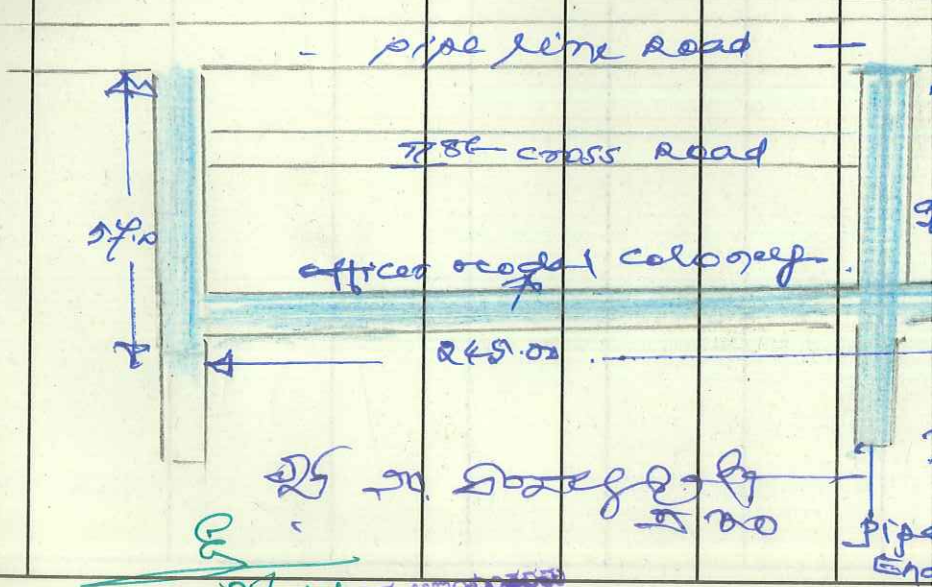
Serial No. .....

Name of work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			
		Number	Length	Breadth	Dept
1	2	3	4	5	6



Contents	Reference to last Measurement
7	8

M. A. R. 57 (Rule 116)
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Pre Measurement

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			C
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	
	Name of Work :- Improvement & Asphalting to M Road & Cross Road in Ward no. 15					
	Job Code no. 015-14-000008 P. Cod					
	A.S. No. JC/DZ/AA/290/13-14					
	T.S. No. EE/DD/TS/206/13-14					
	E.M.D. 19.90 Lakhs					
	Work under No. EE/DD/WO/72/14-15					
	Name of Agency - Sri. R. Mangala Rao					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pre Measurement Recorded on 20/10/14						
	E/W Excavation for Road Drains by Manual Means in hard soil on slope horizontal distance up to 2 M & lift up to 0.5 M. Levelled & disposed Earth at Complete:		All	All			
	Model Colony Main Road	1	30.0	1.50	0.30	13.50	
	S.M Road to Muthaj Hare Road	1	30.0	1.50	0.30	13.50	
	U.G.D. cuttings	1	30.0	1.50	0.30	13.50	
	Cancel & 30/10/14	1	30.0	1.50	0.30	13.50	
		1	30.0	1.50	0.30	13.50	
		1	30.0	1.50	0.30	13.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth All	Depth All	
1	2	3	4	5	6	7
		1	30.0	1.50	0.30	13.50
		1	30.0	1.50	0.30	13.50
		T. length	240.0 M			
	Pipe line Road To D. End of 30/10/14	1	30.0	1.50	0.30	13.50
		1	30.0	1.50	0.30	13.50
		1	30.0	1.50	0.30	13.50
	In Front of Muthaj House.	1	25.0	1.50	0.30	11.25
			115.0 M			
		1	30.0	1.50	0.30	13.50
		1	32.0	1.50	0.30	14.40

18

48.6

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Pipe Line Road Parallel Road.	1	30.0	1.50	0.30	= 13.50	
		1	30.0	1.50	0.30	= 13.50	
		1	30.0	1.50	0.30	= 13.50	
		1	30.0	1.50	0.30	= 13.50	
		1	30.0	1.50	0.30	= 13.50	
		1	50.0	1.50	0.30	= 22.50	
			200.0	Mt.			
	Dekilling in Drains Model Colony Main Road	1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5.40	
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5.40	
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5.40	
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5.40	
						111.70	

M. A. R. 57 (Rule 116)
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions			
		Number	Length	Breadth	Depth
1	2	3	4	5	6
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		0.1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$

K

Depth 6	Contents 7	Reference to last Measure 8
0.30 = 13.50		
0.30 = 13.50		
0.30 = 13.50		
0.30 = 13.50		
0.30 = 13.50		
0.30 = 22.50		
$\frac{0.2+0.4}{2}$ = 5.40		
$\frac{0.2+0.4}{2}$ = 5.40		
$\frac{0.2+0.4}{2}$ = 5.40		
$\frac{0.2+0.4}{2}$ = 5.40		
	111.70	

M. A. R. 57 (Rule 116)
Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6
	45	1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		0.1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$
		1	30.0	0.60	$\frac{0.2+0.4}{2}$

code 8 30/10/17 45

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Co
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	
	R/S	1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5
	Pipe Line Road To Dead End	1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5.4
		1	30.0	0.60	$\frac{0.2+0.4}{2}$	= 5.4
		1	25.0	0.60	$\frac{0.2+0.4}{2}$	= 4.5
	Pipe Line Parallel Road	2	30.0	0.60	$\frac{0.2+0.4}{2}$	= 10.8
		2	30.0	0.60	$\frac{0.2+0.4}{2}$	= 10
		2	30.0	0.60	$\frac{0.2+0.4}{2}$	= 10

M. A. R. 57 (Rule 116)
Measurement Book

No. B
180283

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	In front of Muirhead Road	2	30.0	0.60	$\frac{0.2+0.4}{2}$	= 10.80	
		2	30.0	0.60	$\frac{0.2+0.4}{2}$	= 10.80	
		2	50.0	0.60	$\frac{0.2+0.4}{2}$	= 18.0	
		2	30.0	0.60	0.60	= 21.60	
		2	30.0	0.60	0.60	= 21.60	
				T. Qty.		500.05 M^3	
	Cleaning the existing Black Topped Surface with Broom & Soft Brush						

Contents	Reference to last Measurement
7	8
$\frac{0.4}{2}$ = 5.40	
$\frac{0.4}{2}$ = 5.40	
$\frac{0.4}{2}$ = 5.40	
$\frac{0.4+0.4}{2}$ = 5.40	
$\frac{0.4+0.4}{2}$ = 5.40	
$\frac{0.4+0.4}{2}$ = 5.40	
$\frac{0.4+0.4}{2}$ = 4.50	
$\frac{0.2+0.4}{2}$ = 10.80	
$\frac{0.2+0.4}{2}$ = 10.8	
$\frac{0.2+0.4}{2}$ = 10.80	
69.30	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to the Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	And Lindly Duely laid and Compressed Hiv etc Measured As Above Item No (1)		22 Runy Complete.	Bags & All.			
	Model Colony Main Road	1	240.0	8.50	—	= 2040.0	
	Pipe Line Road To DE end Road	1	115.0	7.50	—	= 862.50	
	In Front of Main Reg Hon	1	60.0	7.50	—	= 450.0	
	Pipe Line Parallel Road. W.G.D Colliry	1	200.0	2.0	—	= 400.0	
				T: Qty		3752.50 M²	

CAE
Executive engineer
W.G.D.Colliry, Sub-depot
Bellampalli. Approved
20/10/14

M. A. R. 57
Measurem

Serial No. .....
Name of work ..... From .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions	
		Number	Length
1	2	3	4
		Model	
	I. No (3) providing laying Stone Aggregate & including pre mixing Mix plant Compacting		
	Model Colony Main Road.	1	50.
		1	50.

Measurement B

Serial No. .....

Name of work ..... From .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimension Length 4	Br
			Meerut Cant	
	= 2040.0			
	= 862.50			
	= 450.0			
	= 400.0			
	3752.50 M²			
	I. No. (3) providing laying Spread Stone Aggregate ... including pre mixed ... Mix Plant ... Compacting ... Model Colony Main Road.	1	50.0	1.0
		1	50.0	1.0

Contents 7	Reference to last Measurement 8
Page 4	

1	2	Number 3	Length 4	Breadth 5
		Office 30/12/14 1	50.0	1.0
		1	50.0	1.0
		Limited to	19.48	
I. No.	(4) providing laying & Rolling with Roller of Built up spray grout on prepared Base Course by two layer			
	Model Colony Main Road c/c SD Road Cutting.	1	2450	1.0
	Pipe line Muddle Road	1	200.0	1.0
	Pipe line to Dead End	1	99.0	1.0

30/12/14 Executive Engr. 30/10/14 T. C.

BOOK

Breadth	Depth	Contents
5	6	7
0	0.10	5.0
0	0.10	5.0
		20.0

8 M³

with ... layer ... complete

1.0	–	245.0
1.0	–	200.0
1.0	–	99.0

T. Qty. 543.

Measurement Book

From .... To ....

Number	Length	Breadth	Depth
3	4	5	6

Measurements Called on; 5 ...

... and applying Tack Coat ... Surface ... 5 kg ... complete

... & I. no. (2) in this MB

... and laying S.D.B ... with 100-120 TPH ... premixed with Bituminous ...

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Mix and Filler Vibrating all Complete						
	C.G.D. Cutting @			All			
	Measurement Same as I No (1) in this MB.						
	Model Colony Main Road	1	240.0	1.50	0.025	= 9.0	
	pipe line to D. End.	1	115.00	1.50	0.025	= 4.31	
	In Project of Main Rajhara	1	60.0	1.50	0.025	= 2.25	
	pipe line Road parallel Rail	1	200.0	1.50	0.025	= 7.50	
	Pro-rata Correction (Camber Correction)						

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
240.0	1.50	0.025	= 9.0	
115.0	1.50	0.025	= 4.31	
60.0	1.50	0.025	= 2.25	
200.0	1.50	0.025	= 7.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Medal Colony Main Road	1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	
	Pipe Line Road To D. Bund	1	30.0	5.0	0.025	= 3.75	
		1	30.0	5.0	0.025	= 3.75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	In Front of Meri Raj Hotel Rm	1 -	30.0	5.0	0.025	= 3.75	
		1 -	25.0	5.0	0.025	= 3.12	
		1 -	30.0	5.0	0.025	= 3.75	
		1 -	30.0	5.0	0.025	= 3.75	
						74.93	M^3

5/11/14

Executive Engineer
Electrical, Sub-Urban
Electrical Division
Dombivli